

March 24, 2005

ORENCO SYSTEMS INC
 GOVERNMENT RELATIONS
 ANGELA BOUNDS
 814 AIRWAY AVE
 SUTHERLIN OR 97479

Re: Description: SEPTIC TANK EFFLUENT PUMP SYSTEM
 Manufacturer: ORENCO SYSTEMS INC
 Product Name: 1000 GALLON FIBERGLASS TANK
 Model Number(s): 1000
 Product File No: 20050100

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of March 2010.

This approval is contingent upon compliance with the following stipulation(s):

- Installation and servicing of this product must be in accordance with the manufacturer's instructions. A copy of the manufacturer's installation and servicing instructions must be given to the owner of the system.
- The discharge rate of the pump must not exceed 40 gallons per minute.
- The gallon capacity per inch of the Orenco 1000 gallon STEP tank is shown in the table below.

Height from tank bottom	Gallons capacity	Height from tank bottom	Gallons capacity	Height from tank bottom	Gallons capacity
4	26	23	377	42	857
5	37	24	401	43	880
6	49	25	425	44	903
7	62	26	450	45	926
8	76	27	475	46	948
9	91	28	501	47	970
10	107	29	527	48	991
11	124	30	553	49	1011
12	141	31	579	50	1031
13	160	32	605	51	1050
14	179	33	631	52	1062
15	199	34	657	53	1086
16	219	35	683	54	1103
17	240	36	709	55	1119
18	262	37	735	56	1134
19	284	38	760	57	1148
20	307	39	785	58	1161
21	330	40	809	59	1173
22	353	41	833	60	1184

- The capacity and float levels must comply with the follow requirements:
 1. A treatment zone equal to at least 2.088 times the design wastewater flow entering the tank,
 2. A drawdown zone based on the system design, and
 3. A one-day reserve zone above the high water alarm level based on the estimated wastewater flow.
- When this product receives wastewater from dwellings and is used as a septic tank effluent pump system, it will produce an effluent quality with a maximum monthly average value for BOD5 of greater than 30 mg/L and less than or equal to 220 mg/L, TSS of greater than 30 mg/L or less than or equal to 150 mg/L TSS, F.O.G. of less than 30 mg/L and solids of 1/8 inch or less.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

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